

IN THE CLAIMS

- 1-41. (canceled)
42. (previously presented) A process for the production of a durable photocatalytically active coated glass which comprises depositing on the surface of a glass substrate a photocatalytically active titanium oxide layer having a thickness of less than 40 nm by contacting the surface of the substrate, which is at a temperature in the range 645°C to 720°C, with a fluid mixture containing a source of titanium.
43. (previously presented) A process as claimed in claim 42 wherein the substrate is at a temperature in the range 670°C to 720°C.
44. (previously presented) A process as claimed in claim 42 wherein the fluid mixture is a gaseous mixture comprising titanium tetraalkoxide as the source of titanium.
45. (previously presented) A process as claimed in claim 42 wherein the fluid mixture is a gaseous mixture comprising titanium tetraethoxide as the source of titanium.
46. (previously presented) A process as claimed in claim 42 wherein the fluid mixture comprises titanium chloride as the source of titanium and an ester other than a methyl ester.
47. (previously presented ) A process for the production of a photocatalytically active coated substrate which comprises depositing a titanium oxide coating having a thickness of less than 40 nm on a substrate by contacting a surface of the substrate with a fluid mixture comprising titanium chloride and an ester other than a methyl ester.
48. (previously presented) A process as claimed in claim 47 wherein the surface of the substrate is contacted with the fluid mixture when the substrate is at a temperature in the range 600°C to 750°C.

49. (previously presented) A process as claimed in claim 47 wherein the ester comprises an alkyl ester having an alkyl group with a  $\beta$  hydrogen.
50. (previously presented) A process as claimed in claim 47 wherein the ester comprises a carboxylate ester.
51. (previously presented) A process as claimed in claim 47 wherein the ester is an alkyl ester having a C<sub>2</sub> to C<sub>4</sub> alkyl group.
52. (previously presented) A process as claimed in claim 51 wherein the ester comprises an ethyl ester.
53. (previously presented) A process as claimed in claim 52 wherein the ester comprises ethyl acetate.
54. (previously presented) A process as claimed in claimed in claims 47 wherein the ester is the only source of oxygen in the fluid mixture.
55. (currently amended) A process as claimed in claim [[1]] 42 wherein the fluid mixture is a gaseous mixture.
56. (currently amended) A process as claimed in claim [[1]] 42 wherein the process is performed on-line during the float glass production process and the substrate is a glass ribbon.
57. (previously presented) A process as claimed in claim 56 wherein the process is performed in the float bath.
58. (currently amended) A process as claimed in claim [[1]] 42 wherein the process is performed at substantially atmospheric pressure.